

Appendix table 5-9.

Percentage and standard errors of 9-year-old students at the indicated level of NAEP mathematics achievement, by gender race/ethnicity, and region: 1978–96

Student gender, race/ethnicity, and region	1978	1982	1986	1990	1992	1994	1996	*	‡	L	Q
Level 200											
Total	70.4 (0.9)	71.4 (1.2)	74.1 (1.2)	81.5 (1.0)	81.4 (0.8)	82.0 (0.7)	81.5 (0.8)	+	+		
Male	68.9 (1.0)	68.8 (1.3)	74.0 (1.4)	80.6 (1.0)	81.9 (1.0)	82.3 (0.9)	82.5 (1.1)	+	+		
Female	72.0 (1.1)	74.0 (1.3)	74.3 (1.3)	82.3 (1.3)	80.9 (1.1)	81.7 (0.9)	80.7 (0.9)	+	+		
White	76.3 (1.0)	76.8 (1.2)	79.6 (1.3)	86.9 (0.9)	86.9 (0.7)	87.0 (0.8)	86.6 (0.8)	+	+		
Black	42.0 (1.4)	46.1 (2.4)	53.4 (2.5)	60.0 (2.8)	59.8 (2.8)	65.9 (2.6)	65.3 (2.4)	+	+		
Hispanic	54.2 (2.8)	55.7 (2.3)	57.6 (2.9)	68.4 (3.0)	65.0 (2.9)	63.5 (3.1)	67.1 (2.1)	+	+		
Other	80.3 (3.6)	85.2 (3.4)	70.4 (8.0)	87.0 (5.4)	87.8 (3.1)	79.6 (3.9)	82.7 (3.4)				
Northeast ..	78.7 (2.3)	78.0 (2.1)	77.9 (3.2)	85.9 (2.2)	85.5 (1.8)	87.0 (1.9)	85.4 (1.7)		+		
Southeast ..	60.3 (1.8)	62.5 (2.3)	70.6 (2.7)	75.1 (2.8)	72.9 (2.0)	80.7 (1.0)	78.1 (1.7)	+	+		
Central	75.9 (1.7)	73.8 (2.7)	77.6 (2.5)	83.7 (1.3)	85.3 (1.4)	85.0 (1.5)	83.9 (1.9)	+	+		
West	65.6 (1.7)	71.9 (2.2)	70.5 (2.9)	81.4 (1.8)	81.6 (2.1)	76.4 (1.6)	79.5 (1.4)	+	+		
Level 250											
Total	19.6 (0.7)	18.8 (1.0)	20.7 (0.9)	27.7 (0.9)	27.8 (0.9)	29.1 (1.1)	29.7 (1.0)	+	+		
Male	19.2 (0.6)	18.1 (1.1)	20.9 (1.1)	27.5 (1.0)	29.4 (1.2)	31.5 (1.6)	32.7 (1.7)	+	+	+	
Female	19.9 (1.0)	19.6 (1.1)	20.6 (1.3)	27.9 (1.3)	26.3 (1.5)	28.3 (1.3)	26.7 (1.1)	+	+		
White	22.9 (0.9)	21.8 (1.1)	24.6 (1.0)	32.7 (1.0)	32.4 (1.0)	35.3 (1.3)	35.7 (1.4)	+	+		
Black	4.1 (0.6)	4.4 (0.8)	5.6 (0.9)	9.4 (1.7)	9.6 (1.4)	11.1 (1.7)	10.0 (1.2)	+	+		
Hispanic	9.2 (2.5)	7.8 (1.7)	7.3 (2.8)	11.3 (3.5)	11.7 (2.5)	9.7 (1.8)	13.8 (2.3)				
Other	25.1 (3.6)	38.3 (4.7)	25.1 (6.4)	31.7 (3.6)	38.7 (5.2)	31.2 (5.5)	30.5 (4.4)				
Northeast ..	25.9 (1.6)	23.8 (1.4)	24.8 (2.7)	34.4 (2.1)	32.4 (2.1)	37.2 (2.8)	35.6 (2.6)	+	+		
Southeast ..	13.4 (0.8)	13.6 (1.7)	17.2 (2.4)	24.0 (2.0)	20.3 (1.6)	27.3 (2.4)	25.8 (2.2)	+	+		
Central	23.2 (1.4)	19.9 (2.5)	24.7 (1.8)	27.5 (1.8)	31.4 (1.9)	30.3 (2.6)	31.6 (2.7)	+	+		
West	14.9 (1.1)	18.6 (1.4)	16.3 (2.2)	25.6 (1.6)	27.1 (2.5)	26.0 (1.2)	26.9 (1.6)	+	+		

NAEP = National Assessment of Educational Progress

NOTES: Standard errors of the estimated percentages appear in parentheses. When no value appears (xx), statistical tests involving this value should be interpreted with caution; standard error estimates may not be accurately determined and/or the sampling distribution of the statistic does not match statistical test assumptions (see source for additional detail).

*Indicates that the percentage in 1996 is significantly larger (+) or smaller (-) than that in 1978.

‡Indicates that the percentage in 1996 is significantly larger (+) or smaller (-) than that in 1994.

L Indicates that the positive (+) or negative (-) linear trend is significant; Q Indicates that the positive (+) or negative (-) quadratic trend is significant.

SOURCE: National Center for Education Statistics (NCES). 1997. *NAEP 1996 Trends in Academic Progress*. NCES 97-985. Washington, DC: U.S. Department of Education, Office of Educational Research and Improvement.

See figures 5-5 and 5-7 and text table 5-4 in Volume 1.

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